



High-quality Voice Service While on Campus

UNIVERGE® Terminal MH250 In-building Telephone

UNIVERGE® Assured Mobility™ is NEC's newest generation wireless LAN (WLAN) communications solution, connecting people to people and information—anytime, anywhere, on any device. The UNIVERGE Wireless Optimized Architecture™ (WOA) is the power behind Assured Mobility, bringing a new level of intelligence to your network and maximizing your mobility experience.

The MH250 is NEC's VoWLAN phone that provides unsurpassed voice and messaging service over the WLAN from any UNIVERGE WL1500-AP.

The MH250 is designed to provide the features you need while mobile. Integrated phone book and speed dial lists make it easier to connect to people quickly. In addition the MH250 includes IM between MH250 and SP30 terminals providing new ways to communicate. Call forwarding, transfer, HOLD and voice-mail indications are included.

Bandwidth control/Load balancing

Bandwidth is assured when using an MH250 to originate a call. If the closest AP is not available, another suitable AP is used for the connection.

High-quality service

The WOA elevates mobility to a new level by giving voice packets the highest priority. The VoWLAN MH250 is designed to take advantage of WOA and provide high-quality voice service—no dropped calls and excellent fidelity everywhere in the building or on campus.

High-speed handover

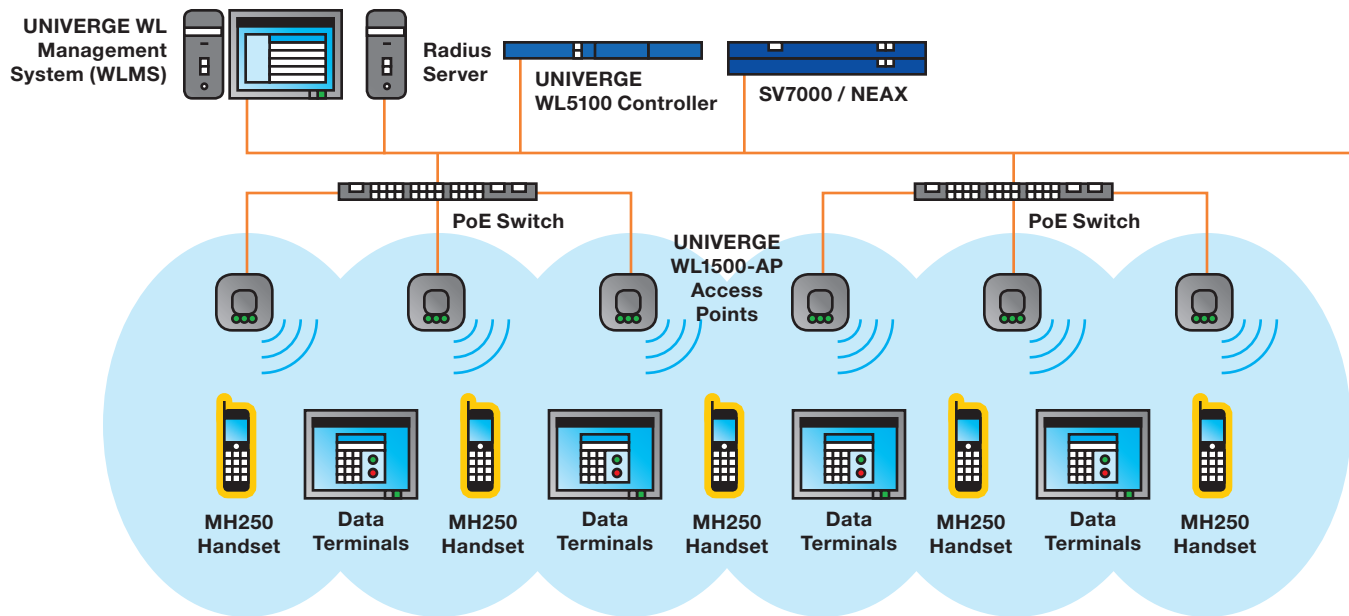
Unlike current methods of handover where the decision is based on signal strength only, the WOA, in conjunction with the MH250 software, obtains a list of suitable AP(s) from the WLAN controller ensuring the best throughput from each AP. The handover is processed seamlessly.

Battery power-saving mode

When the MH250 is in stand-by mode, the phone receives signals intermittently, and sleeps while not receiving signals, in order to extend battery charge time. During a call, the phone sleeps when the phone receives no signals.



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Note PC and VoWLAN phone mixed in single segment

Specifications

UNIVERGE VoWLAN MH250 In-building Telephone

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| Wireless Interfaces | IEEE802.11b (RCR STD-33/ARIB STD-T66) + WLAN Extension |
| Voice Codec | G.711, G.729a, Payload Cycle: 20ms, 40ms |
| Control Protocols | SIP (RFC3261) + SIP Extension |
| Security (Authorization & Encryption) | Authentication: MAC auth, IEEE802.1x (EAP-TLS, MS-PEAP) Encryption: Static WEP (64/128), TKIP, AES |
| Protocols | UDP, HTTP, DHCP |
| Talk Time / Standby Time | 180 Minutes / 85 Hours |
| Display | TFT 65536 2" Color LCD 176 x 220 Pixels |
| Language | English, Spanish, German, Dutch, Italian, Japanese |
| Main Features | Instant Message (Up to 100 entries 300 bytes), Phonebook (Up to 500 entries), Call History (Up to 30 entries), Speed Dial (Up to 10 entries) |
| Ringling Melody | Melody: 10 patterns, Sound: 20 patterns, 7 level tones |
| Battery | Lithium Ion |
| Environment | Temperature: 0°-40° C, Humidity: 20-90% |
| Dimensions (HxWxD) | 98.0 x 47.6 x 28.2 mm |
| Weight | Approximately 110g (including battery) |

Empowered by Innovation



For more information, visit necunified.com/wlan

About NEC Unified Solutions, Inc. NEC Unified Solutions Inc., a global leader in VoIP and data communications for the enterprise and small-medium business, delivers the industry's most innovative suite of products, applications and services that help customers achieve business value through technology. NEC Unified Solutions, a wholly owned subsidiary of NEC Corporation of America, offers a complete portfolio of solutions for wireless, unified communications, voice, data and management services, and an open migration path to protect investments. NEC Unified Solutions, Inc. serves Fortune 1000 customers across the globe in vertical markets such as hospitality, education, government and healthcare.

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